PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-108497
(43)Date of publication of application : 18.04.2000

(51)Int.Cl. B41M 5/00
B41J 2/01

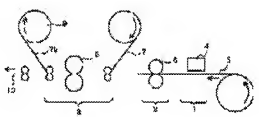
(21)Application number : 11-220062
(22)Date of filing : 03.08.1999

(71)Applicant : CANON INC
(72)Inventor : NAGATA TORU
SUZUKI KENJI
OCHIAI HIROSHI
YASUI YOSHINARI
MIYAMURA HIROSHI

(30)Priority
Priority number : 10221710 Priority date : 05.08.1998 Priority country : JP

(54) METHOD FOR FORMING IMAGE

(57)Abstract:
PROBLEM TO BE SOLVED: To increase an image density of an image part necessary to form a high image density and to enhance better image quality by calendaring an ink receptive layer at the time of manufacturing a printed matter laminated with a transparent film on the layer formed with the image.
SOLUTION: An image forming apparatus has an ink jet recorder 2 for ink jet recording a surface of a medium 5 to be recorded of the state wound on a roll at an ink receptive layer side, a calendaring unit 2 for calendaring, and a laminating unit 3 for laminating in such a manner than an ink jet recording head 4 provided in the recorder 2. Before a coating film is formed before or after ink injecting, the surface of an ink receptive layer 5a is calendaring. A protrusion and recess surface or particularly on a head part of the protrusion of



the layer 5a is smoothed by the calendaring. A printed matter 10 is cut in a necessary length as a printed matter sheet.

CLAIMS

[Claim(s)]
[Claim 1]A process of performing image formation to recorded media which have an ink absorbing layer containing an inorganic particle with an ink jet recording method.
A process of laminating an enveloping layer to said ink absorbing layer in which a picture was formed.
Before being the image formation method provided with the above and forming a picture in said ink absorbing layer, or before laminating said enveloping layer after forming a picture in said ink absorbing layer, the calendar process of said ink absorbing layer is carried out.

[Claim 2]The image formation method according to claim 1 formed by said enveloping layer carrying out heat crimping of the latex layer.
[Claim 3]The image formation method according to claim 2 which separates said substrate from said ink absorbing layer after said latex layer is provided on a substrate and laminates and carries out heat crimping of said latex layer to said ink absorbing layer.
[Claim 4]The image formation method according to claim 1 with which said calendar process is performed on condition of cooking temperature at 20-100 **, the linear pressure 50 - 1200 N/cm.
[Claim 5]The image formation method according to claim 1 which is that in which said ink absorbing layer contains a binder.

[Translation done.]